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(19)



Europäisches Patentamt
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Office européen des brevets



(11) Publication number:

0 467 389 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **91112118.4**

(51) Int. Cl.⁵: **A61K 9/52, A61K 9/16,
A61K 37/02**

(22) Date of filing: **19.07.91**

(30) Priority: **19.07.90 US 554427**

(43) Date of publication of application:
22.01.92 Bulletin 92/04

(64) Designated Contracting States:
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

(86) Date of deferred publication of the search report:
02.02.94 Bulletin 94/05

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(54) **Drug delivery system involving interaction between protein or polypeptide and hydrophobic biodegradable polymer.**

(57) A drug delivery system for controlled release of a protein or polypeptide comprising a hydrophobic biodegradable polymer and a protein or polypeptide. A physical interaction is present between the polymer and the protein or polypeptide, thus, allowing protection and controlled release of the protein or polypeptide in-vivo. The drug delivery system may be prepared by a polymer precipitation technique or a microsphere technique.

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EUROPEAN SEARCH REPORT

Application Number

EP 91 11 2118

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X,P	US-A-5 008 116 (F. CAHN) * claims 1-11 *	1-3,7-9	A61K9/52 A61K9/16 A61K37/02
X,P	WO-A-9 106 286 (ENZYTECH INC.) * page 13, line 3 - line 19; claims 1-45; example 1 *	1,4,7,10,12	
X	WO-A-8 809 664 (MASSACHUSETTS INSTITUTE OF TECHNOLOGY) * page 5, line 16 - page 6, line 20; claims 1-14 *	1,4,7,10	
X	EP-A-0 058 481 (IMPERIAL CHEMICAL INDUSTRIES PLC) * page 5, line 25 - line 30 * * page 6, line 25 - page 8, line 31 * * claims 1-23; examples 31-32,34 *	1-13,24-28	
Y	EP-A-0 330 180 (BIOMATERIALS UNIVERSE INC.) * page 3, line 46 - line 56; claims 1-9 *	1-29	TECHNICAL FIELDS SEARCHED (Int. Cl.5)
Y,D	US-A-4 818 542 (P. P. DELUCA ET AL) * column 2, line 51 - line 68; claims 1-25 *	1-29	A61K C07K
A	EP-A-0 245 820 (THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION) * abstract *	1-29	
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The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 30 NOVEMBER 1993	Examiner SIATOU E.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date. D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	